解 説

Les Arachnides de France (SIMON, 1937) に掲載されたハエトリグモ属の検索(英訳)

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ポーランドの PRÓSZYŃSKIの精力的な仕事により、ハエトリグモの分類学的研究は各国で盛んになった。特に 1990 年に彼が発行したハエトリグモのカタログは意義が大きかった。その後、合衆国の W. MADDISONによりこのカタログのハイパーテキスト・バージョンがインターネット上にもコンバートされ、改訂されて、現在のところ 1995 年版が研究者に利用されている(PRÓSZYŃSKI, 1990; 1995)。

しかし, ハエトリグモの分類体系が完成した わけではない。1970年代には Prószyńskiによ る生殖器の構造を中心とした現代的な観点で属 の整理が行われることが期待されていたが(松 本 1975),彼はその仕事をタイプ標本の再記載 と新種の記載に集中し,属の検討は後回しにな った。新属を立てたときも属の記載をせず,他 の属との違いは明瞭であったからと言いわけし た時もあった。その結果, 日本産のジャバラハ エトリグモ属 Helicius のように属徴が明確でな いグループも出来てしまった(BOHDANOWICZ& PRÓSZYŃSKI, 1987)。もっとも、タイプ標本を再 検討した彼の仕事のお蔭で同種のものに異なる 学名がついていた例 (同種異名) はだいぶ整理 された。しかし、属徴が不明瞭であるという事 態は以前続いており、最近の研究では PRÓSZYŃSKI自身も属徴は地域を限定したとり あえずのものと断っている (BERRY et al., 1996)。PRÓSZYŃSKIの後継者と目される ZABKA もオーストラリアのハエトリグモの図解検索を作成する際に、人為分類と批判の強い上顎の後牙堤歯による分類を便宜的に採用した(DAVIES & ZABKA, 1989).

こういった便宜的な措置は系統分類の理想からはほど遠いものであるが、実際に未知のハエトリグモを目前にしたときにその種名を調べる目的からすると利用価値は十分にある。未知種の正体を知るのに既知の属の理解が必要であることは言うまでもない。

つまり、ハエトリグモの属の記載は現在でも整理されておらず、種の見当をつけるのにはどうしても古典をひもとかねばならないのである。SIMONや THORELLの記載はフランス語やラテン語であり、BÖSENBERGや STRANDの記載はドイツ語である。私たち日本人にとっては言語のハンディキャップが大きい。しかし、これらを読解しないことには分類を先へ進めることが出来ないのであった。

そこで、とりあえず SIMONの『フランスのクモ』(1937)中のハエトリグモの属の検索を翻訳してみることにした。日本語に訳してもほとんど利用価値がないため、註だけを日本語で記述し、本文は英訳した。SIMONはハエトリグモ科に限らず、属グループを設定していて、その検索も重要であった。

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訳 註

- 1) 英訳したテキストは SIMON, E. 1937. LES ARACHNIDES DE FRANCE, VI.1146 1272. フランスのハエトリグモに関する部分である.
- 2) SIMONはハエトリグモ科を上顎の後牙堤 歯を用いて、多歯、単歯、裂歯に3分した。この 歯の形態は種内変異があること。雌雄で異なる 場合があることを理由にハエトリグモの分類を 混乱させる元凶のひとつとなったと評価されて

いる(松本, 1975; Kaston, 1981)。もっとも, 属以上の分類標徴としては不適切だったとして も,近縁種間ではこの歯の形態は比較的安定し ており,池田は種や属の分類には有用であると 考えている。

SIMONは inferior margin を retromargin の 意味で使用している。上顎の前面 (pro-) を外側の面,後面 (retro-) を内側の面と認識しているのである。外側は superior と表現している。 SIMONのこの用法はラテン語の場合でも同様であった。

- 3) SIMONが属グループの分類で重視している標徴は頭部と胸部の割合と形態、中窩の大きさ、眼の配置、胸板の形態、歩脚の基節や腿節の長さなどである。
- 4) SIMONが属の分類で重視している標徴は 属グループの分類でも重視された形態の他に, 頭胸部の形態,眼域の形態,脚の各節の相対的 な長さ,刺毛の状態,径節突起の形態などであ る.使える外部形態はほとんどなんでも使った といってよいであろう.
- 5) これらの検索のうち、眼域に関して group of dorsal eyes (背面眼域) と group of median eyes (中央眼域) という表現がある。前者は頭胸部を背面から見た時の全体の眼域、つまり ALE-ALE (前側眼) と PLE-PLE (後側眼)で作られる方形を、後者は中央部の眼域、おそらく PME-PME (後中眼。最も小さい)と PLE-PLE で作られる方形を指しているものと思われる。 second row of eyes (第二眼列) は PME-PME のことである。

Key to Group of Genera of Salticidae

after SIMON, E. 1937. LES ARACHNIDES DE FRANCE translated from French to English by IKEDA, H. & CARTAN, K. 1997

Salticidae pluridentati (salticids with several teeth)

This section includes the species whose chelicerae are armed, on the inferior margin, with several isolated and serial teeth.

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Table of Groups

	racio of Croups
1.	Sternum long, coxae of II legs well separated from those of III legs. Posterior border of cephaloth
ora	x and pedicel exposed, well visible from above(3.) Myrmarachneae
	-Sternem small. All coxae contiguous on both sides. Posterior border of cephalothorax and
peo	licel hidden from above, because of the convexity of the abdomen2
2.	Group of dorsal eyes much wider than long and shorter than thoracic part. Abdomen round in
fro	nt, exposing a large part of the thoracic region(1.) Cyrbeae
	-Group of dorsal eyes wider behind than in front and longer than thoracic region. Thoracic region
mo	stly hidden by the anterior border of the right-truncated abdomen(2.) Balleae
	Salticidae unidentati (salticids with one tooth)
	This section includes the species whose chelicerae are armed, on the inferior margin, with one single
toc	th, occasionally missing.
	Table of Groups
1.	Posterior margin of cephalothorax and pedicel, seen from above, completly exposed. Coxae of I
icg	s well separated from those of I legs. Trochanter of IV legs as long as or longer than coxa
41	-Posterior margin of cephalothorax and pedicel hidden, when seen from above, by the convexity of
	abdomen; All coxae contiguous on both sides. Trochnater of IV legs shorter than coxa3
2.	Inferior margin of chelicerae divided, anterior tibiae slender and cylindrical.
•••	(4.) Leptorchesteae
	-Inferior margin of chelicerae unidented. I legs robust; femur claviform, tibia oval(5.) Synageleae
3.	Inferior margin of chelicerae divided or armed with single very small and slender tooth4
	-Inferior margin of chelicerae armed with single conical big tooth
4.	III legs much longer than IV legs(14.) Aelurilleae
_	-IV legs much longer than III legs
5.	Single short stria on thoracic part behind the eyes. Legs armed with numerous big spines.
••	(10.) Sitticeae
	-Thoracic part without stria. Legs armed with few slender spines(9.) Chalcoscirteae
6.	Patella+tibia of III legs longer or as long as those of IV legs
	-Patella+tibia of III legs shorter than those of IV legs10
7.	Group of median eyes, seen from above, much wider behind than in front, nevertheless much
	rower behind than the cephalothorax. Second row of eyes situated well in front of the middle.
•••	-Sides of group of median eyes pararell, or slightly narrower behind than in front
8.	
	Labial piece also wider than long. Sternum not diminished and widely truncated anteriorly. (7.) Saitidaeae
•••	
0	-Labial piece longer than wide. Sternum more or less diminished anteriorly9
9.	Sides of group of dorsal eyes almost parallel. Posterior eyes rudimental, separated from small eyes execond row by more than their diameter(16.) Hylleae

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-Group o	f dorsal eyes slightly narrowe	r behi	nd than in front Posterior eyes hig senarated from								
-Group of dorsal eyes slightly narrower behind than in front. Posterior eyes big, separated from small eyes of the second row by hardly their diameter(17.) Plexippeae .											
	10. Cephalothorax very large, cephalic part longer than thoracic part. Group of dorsal eyes much										
-			(13.) Rheneae.								
•			r than thoracic part11.								
11. Small eyes of second row much closer to anterior lateral than posterior lateral. Group of dorsal eyes generally slightly larger behind than in front. (12.) Dendryphanteae .											
	eyes generally slightly larger behind than in front. (12.) Dendrypnanteae . -Small eyes of second row situated in the middle, approximately at equal distance from lateral										
anterior and lateral posterior eyes											
	-		(11.) Marpissaeae.								
			truncated between anterior coxae13.								
			pines. Thoracic stria very small, hardly visible.								
			(8.) Evophrydeae.								
-Posterior legs armed with few much spaced small spines. Thoracic stria fairly long.											
		· • • • • • • • • • • • • • • • • • • •	(6.) Chrysilleae.								
	Salticidae fissiden	i tati (s	alticids with divided tooth)								
This secti	on includes the salticids whos	e cher	icerae are armed on the inferior margin with a single								
compressed ke	el-shaped tooth (fig. 2027).	It is re	presented in our fauna by only two species, probably								
introduced fro	m hot regions, because they h	nave no	ot been seen, or at least only very rarely, outdoors.								
	18.	Grou	p Hasarieae.								
	Table of	Gene	era of Salticidae								
1.	Group Cyrbeae	(1.)	Genus Cyrba.								
2.	Group Balleae	(2.)	Genus Ballus.								
3.	Group Myrmarachneae	(3.)	Genus Myrmarachne.								
4.	Group Leptorchesteae	4.)	Genus Leptorchestes.								
5.	Group Synageleae	(5.)	Genus Synageles.								
6.	Group Chrysillae										
-Group of do	sal eyes narrower behind than	in from	nt. Metatarsi of IV legs armed with apical spines and								
medial spines.			·····(6.) Telamonia.								
-Group of do	rsal eyes slightly larger behind	d than	in front. Metatarsi of IV legs armed with only two								
small apical s	pines. ·····	•••••	·····(7.) Heliophanus.								
7.	Group Saitideae	(8.)	Genus Saitis.								
8.	Group Evophrydae	(9.)	Genus Evophrys.								
9.	Group Chalcoscirteae.										
-Chelicerae armed on inferior margin with one small tooth. Labial piece as wide as long. Abdomen											
without scutur	m	· • • • • • • • • • • • • • • • • • • •	(10.) Neon								
-Chelicerae without spines on inferior margin. Labial piece slightly longer than wide. Abdomen of											

male equipped with smooth dorsal scutum(11.) Chalcoscirtus.
10. Group Sitticeae
1. Tarsi equipped with very long clusters, especially the posterior ones, clusters of first legs prolonged
in a big scopula under the joint, almost reaching the base. Tarsus claw slender, almost straight but
hooked at tip, armed with serial long and slender teeth, occupying only apical half of IV legs2.
-Ungual cluster of tarsi distinctly limited to the region of claw (3). Claws slender, almost straight
but hooked at tip, wholly without spines. Tibial apophysis generally straight and pointing forward
♂ bulb flat in side view, not prolonged under the tibia3.
2. Cephalothorax fairy flat and long, reminding that of <i>Menemerus</i> . Anterior eyes, seen from front,
make a row strongly recurved at top, lateral eyes separated from median eyes by at least their diameter.
Superior margin of chelicerae, seen from below, almost transverse, curved and convexe, and is armed on
the angle with a single small tooth. Coxae and trochanters of IV legs relatively long. Legs look as if
detached from soma
-Cephalothorax thick, reminding that of Aelurillus and especially of Mogrus, its thoracic part
relatively short, very inclined. Anterior eyes seen from front make a row less recurved, lateral eyes
separated from median eyes by at most their diameter, often less. Superior margin of chelicerae hardly
dilated, armed nearby the angle with 2 or 3 small teeth contiguous and uneven like those of Sitticus.
Posterior legs normal.·····(13.) Pseudomogrus, n.g.
3. Group of dorsal eyes, seen from above, wider behind than in front. Cephalothorax short, a little
rhombohedral, thoracic part not or hardly longer than cephalic part, strongly diminished and inclined
in a steep slope. IV legs much longer than III legs. Sternum small, acuminating forward (like those
of Yllenus)(14.) Attulus.
-Sides of group of dorsal eyes nearly parallel. Cephalothorax longer, thoracic part at least 1/4
longer than cephalic part. III legs and IV legs less uneven(12.) Sitticus.
11. Group Marpisseae
1. Tibiae and metatarsi anterior without spines. Chelicerae of male very long and procurved.
Tegument covered, at least partly, with large scales(15.) Salticus.
-Tibiae and metatarsi armed underneath with strong biserial spines. Chelicerae vertical in both
sexes2.
2. Posterior metatarsi without apical spines. Soma very narrow. Pubescence simple, not dense.
(18.) Hyctia
-Posterior metatarsi with apical spines
3. Sternum slightly diminished anteriorly and truncated between the distant amterior coxae.
(17.) Menemerus.
-Sternum strongly diminished anteriorly and anterior coxae sub-contiguous4.
4. Anterior eyes very uneven and sub-contiguous. Group of dorsal eyes hardly 1/5 wider than long.
(19.) Mithion.
-Anterior eyes relatively smaller, lateral eyes more separated from median eyes. Group of dorsal
eyes nearly 1/3 wider than long(16.) Marpissa.
12. Group Dendryphanteae
1. Cephalothorax large and convex. Group of eyes, seen from above, obviously wider behind than

in front, with small eyes of second row situated much nearer the anterior lateral than the posterior one;								
slopes of cephalic region have, below the eyes, strong hair curved upward and then standing upright.								
$Large\ part\ of\ pubescence\ squamous;\ femur\ without\ sensory\ hairs\ with\ spindle-shaped\ base\ underneath.$								
(20.) Dendryphantes								
-Cephalothorax narrower, seen from above nearly parallel or a little oval. Group of eyes, seen								
from above, not or hardly larger behind than in front, with small eyes of second row at almost equal								
distance to anterior lateral and posterior lateral (some exceptions in male). Pubescence for a large part								
simple except on white parts. Cephalic slope without raised hairs; femur having underneath sensory								
hairs with swollen base disposed in an oblique line2.								
2. Tibiae of I legs armed underneath with short and robust biserial spines: 3 (rarely 2) internal spines								
situated in the apical half, 2 (rarely 1) external spines. Anterior femur equipped (at least in female) on								
the internal face with 3 or 4 small black spindle-shaped and hair-bearing tubercules(21.) Icius.								
-Anterior tibiae without external spines underneath, with only of 1, 2 or 3 very small subapical								
internal spines. Anterior femur, with more numerous and biserial sensory hairs on their internal face								
(in both sexes) (1-5 or 1-7) (encarpatus)(22.) Pseudicius.								
13. Group Rheneae 23. Genus Bianor.								
14. Group Aelurilleae								
1. Sides of group of dorsal eyes parallel or a little narrower behind than in front2.								
-Group of dorsal eyes larger behind than in front4.								
2. III legs shorter than IV legs. Cephalothorax long, with thoracic part twice longer than cephalic								
part								
-III legs longer than IV legs. Cephalothorax short3.								
3. Sides of cephalic part parallel. Ocular group a little narrower behind than in front. Anterior eyes								
form of a row slightly recurved. III legs much longer than IV legs(25.) Habrocestum.								
-Cephalic part a little diminished in front but sides of ocular group parallel. Anterior eyes form								
a row strongly recurved. III legs and IV legs of subequal length(26.) Aelurillus.								
4. Posterior metatarsi and tarsi joined are shorter than patellae and tibiae together; tibia of IV legs								
armed with one superior subbasal spine(27.) Mogrus.								
-Posterior metatarsi and tarsi joined shorter than patellae and tibiae together; tibia of IV legs								
without superior spine5.								
5. Group of dorsal eyes much smaller than thoracic part, and a little narrower behind than cephaloth-								
orax								
-Group of dorsal eyes longer or at least not shorter than thoracic part, but also larger than								
cephalothorax. (29.) Neaetha.								
15. Group Thyeneae (30.) Genus <i>Thyene</i> .								
16. Group Hylleae								
1. Anterior metatarsi armed with inferior spines (2-2) but without lateral spines(33.) Evarcha.								
-Anterior metatarsi armed with inferior spines and lateral spines ······2.								
2. Metatarsi of the two posterior pairs of legs armed with spines forming 3 verticils. σ bulb conical								
at the base with long free stylet								
-Metatarsi of III legs armed with 2 verticils, those of IV legs with 3. ♂ bulb simple and spindle-								

shaped				·(32.) Carrhotus.					
17.	Group Plexippeae	34.	Genus Plexippus.						
18.	Group Hasarieae								
-Anterior metatarsi without lateral spines, armed underneath with 2-2 spines. Bandage almost									
smooth(35.) <i>Hasarius</i> .									
-Anterior metatarsi armed on both sides with 2 lateral spines, underneath with 2-2 spines, all almost									
similar to each	other. Bandage with thick	bristle	e, ·····	·(36.) Panysinus.					